

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 **Listing of Claims:**

2 1. (currently amended) A computer-readable storage medium having a
3 program for use in a host computer having a function of displaying at a user interface a plurality
4 of management information items expressing access status of a communication path for sending
5 a data input/output request from said host computer to a storage device and returning result of the
6 access request to said host computer, said storage device having a plurality of disk drives storing
7 data sent from said host computer and a disk controller controlling to store data sent from said
8 host computer to at least one logical volume corresponding to the plurality of disk drives, said
9 communication path providing communication between a host port of said information
10 processing device, a disk controller port of said disk controller, a communication cable
11 connecting between said host port and said disk controller port, and a logical volume of said
12 storage device, said program comprising:

13 code configured to operate a data processor in the host computer to update for
14 updating at least one of said management information items being displayed to express present
15 access status of said communication path when detecting that access failure occurs at said
16 communication path based on an access to said storage device, and/or updating at least one of
17 said management information items being displayed when receiving from said user interface an
18 input for updating said management information items being displayed;

19 code configured to operate the data processor to display for displaying
20 information between a communication path ID of said communication path, a disk controller port
21 ID of said disk controller port, a logical volume ID of said logical volume of said storage device,
22 and state of said communication path indicating off-line or on-line; and

23 code configured to operate the data processor to change the for changing display
24 contents concerned with the state of said communication path from said on-line state into said
25 off-line state in which failure has occurred among displayed plurality of communication paths

26 based on receiving failure information from said storage device, while a failure has occurred in
27 any one of said displayed plurality of communication paths, wherein said communication path
28 comprises the host port of said information processing device, the communication cable
29 connected to the host port, and the disk controller port of the disk controller to which the
30 communication cable is also connected.

2. (canceled)

1 3. (previously presented) The computer-readable storage medium according
2 to claim 1, wherein in accordance with an input for updating said management information items
3 being displayed, all of said management information items being displayed or part of said
4 management information items being displayed is updated to express present access status of a
5 communication path.

1 4. (previously presented) The computer-readable storage medium according
2 to claim 3, wherein said part of said management information items to be updated includes at
3 least one of an execution number of data input/output as performed between said storage device
4 and said host computer and a number indicative of access failure occurred at said communication
5 path in proper execution of said data input/output.

1 5. (currently amended) A host computer having a function of displaying at a
2 user interface a plurality of management information items concerning access status of a
3 communication path for sending a data input/output request from said host computer to a storage
4 device and returning result of access to said host computer, said storage device having a plurality
5 of disk drives storing data sent from said host computer and a disk controller controlling to store
6 data sent from said host computer to at least one logical volume corresponding to the plurality of
7 disk drives, said host computer comprising:

8 a host port which is in communication, via said communication path, with a disk
9 controller port of said disk controller, a communication cable connecting between said host port
10 and said disk controller port, and a logical volume of said storage device,

11 a controller configured to update at least one of said management information
12 items being displayed to express present access status of said communication path when
13 detecting that access failure occurs at said communication path based on an access to said
14 storage device, and/or to update at least one of said management information items being
15 displayed when receiving from said user interface an input for updating said management
16 information items being displayed;

17 wherein said management information items include a communication path ID of
18 said communication path, a disk controller port ID of said disk controller port, a logical volume
19 ID of said logical volume of said storage device, and state of said communication path indicating
20 off-line or on-line; and

21 wherein said controller is configured to change a display of the state of said
22 communication path from said on-line state into said off-line state in which failure has occurred
23 among displayed plurality of communication paths based on receiving failure information from
24 said storage device, while a failure has occurred in any one of said displayed plurality of
25 communication paths, wherein said communication path comprises the host port of said
26 information processing device, the communication cable connected to the host port, and the disk
27 controller port of the disk controller to which the communication cable is also connected.

6. (canceled)

1 7. (previously presented) The host computer according to claim 5, wherein
2 in accordance with an input for updating said management information items being displayed, all
3 of said management information items being displayed or part of said management information
4 items being displayed is updated.

1 8. (previously presented) The host computer according to claim 7, wherein
2 said part of said management information items to be updated includes at least one of an
3 execution number of data input/output as performed between said storage device and said host
4 computer and a number indicative of access failure occurring at said communication path in
5 proper execution of said data input/output.

1 9. (currently amended) A control method of a host computer having a
2 function of displaying at a user interface a plurality of management information items
3 concerning access status of a communication path for sending a data input/output request from
4 said host computer to a storage device and returning result of the request to said host computer,
5 said storage device having a plurality of disk drives storing data sent from said host computer
6 and a disk controller controlling to store data sent from said host computer to at least one logical
7 volume corresponding to the plurality of disk drives, said communication path providing
8 communication between a host port of said information processing device, a disk controller port
9 of said disk controller, a communication cable connecting between said host port and said disk
10 controller port, and a logical volume of said storage device, said method comprising:

11 updating at least one of said management information items being displayed to
12 express present access status of said communication path when detecting that access failure
13 occurs at said communication path based on an access to said storage device, and/or updating at
14 least one of said management information items being displayed when receiving from said user
15 interface an input for updating said management information items being displayed;

16 displaying information between a communication path ID of said communication
17 path, a disk controller port ID of said disk controller port, a logical volume ID of said logical
18 volume of said storage device, and state of said communication path indicating off-line or on-
19 line; and

20 changing display of contents concerned with the state of said communication path
21 from said on-line state into said off-line state in which failure has occurred among displayed
22 plurality of communication paths based on receiving failure information from said storage
23 device, while a failure has occurred in any one of said displayed plurality of communication
24 paths, wherein each of said communication paths comprises the host port of said information
25 processing device, the communication cable connected to the host port, and the disk controller
26 port of the disk controller to which the communication cable is also connected.

10. (canceled)

1 11. (previously presented) The control method according to claim 9, wherein
2 in accordance with an input for updating said management information items being displayed, all
3 of said management information items being displayed or part of said management information
4 items being displayed is updated.

1 12. (previously presented) The control method according to claim 11,
2 wherein said part of said management information items to be updated includes at least one of an
3 execution number of data input/output as performed between said storage device and said host
4 computer and a number indicative of access failure occurring at said communication path in
5 proper execution of said data input/output.

1 13. (previously presented) The computer-readable storage medium according
2 to claim 1, wherein the state of said communication path is changed in real time based on
3 receiving failure information from said storage device.

1 14. (previously presented) The host computer according to claim 5, wherein
2 the state of said communication path is changed in real time based on receiving failure
3 information from said storage device.

15. (previously presented) The control method according to claim 9, wherein
the state of said communication path is changed in real time based on receiving failure
information from said storage device.